

**Montana Board of Oil and Gas Conservation
Environmental Assessment**

Operator: J. Burns Brown Operating Company
Well Name/Number: Hanson 32-35-15C
Location: SE NW Section 32T35N R15E
County: Hill, MT; **Field (or Wildcat)** W/C

Air Quality

(possible concerns)

Long drilling time no
Unusually deep drilling (high horsepower rig) no, 2500' TD
Possible H2S gas production no
n/near Class I air quality area no
Air quality permit for flaring/venting (if productive) n/a

Mitigation:

- Air quality permit (AQB review)
- Gas plants/pipelines available for sour gas
- Special equipment/procedures requirements
- Other: _____

Comments: no special concerns – using small rig to drill to 2500'

Water Quality

(possible concerns)

Salt/oil based mud no, freshwater and freshwater mud system.
High water table no
Surface drainage leads to live water no, note that Redrock Coulee is south ¾ of a mile away from location.
Water well contamination none nearby, closest listed water well 2 miles to the east.
Porous/permeable soils no, bentonite soils
Class I stream drainage no

Mitigation:

- Lined reserve pit
- Adequate surface casing
- Berms/dykes, re-routed drainage
- Closed mud system
- Off-site disposal of solids/liquids (in approved facility)
- Other: _____

Comments: 150' of surface casing cemented to surface adequate to protect freshwater zones. Also, fresh water mud systems to be used.

Soils/Vegetation/Land Use

(possible concerns)

Stream crossings no
High erosion potential no, small cut and fill required.
Loss of soil productivity no, location will be restored after drilling.
Unusually large wellsite no, 200'X200' location size required.
Damage to improvements no.
Conflict with existing land use/values Slight

Mitigation

- Avoid improvements (topographic tolerance)

Exception location requested
 Stockpile topsoil
 Stream Crossing Permit (other agency review)
 Reclaim unused part of wellsite if productive
 Special construction methods to enhance reclamation
 Other _____
Comments: no special concerns

Health Hazards/Noise

(possible concerns)
Proximity to public facilities/residences None nearby.
Possibility of H2S none
Size of rig/length of drilling time Small drilling rig/short 4 to 5 days drilling time
Mitigation:
 Proper BOP equipment
 Topographic sound barriers
 H2S contingency and/or evacuation plan
 Special equipment/procedures requirements
 Other: _____
Comments: no concerns

Wildlife/recreation

(possible concerns)
Proximity to sensitive wildlife areas (DFWP identified) n/a
Proximity to recreation sites no
Creation of new access to wildlife habitat no
Conflict with game range/refuge management no
Threatened or endangered Species no
Mitigation:
 Avoidance (topographic tolerance/exception)
 Other agency review (DFWP, federal agencies, DSL)
 Screening/fencing of pits, drillsite
 Other: _____
Comments: no concerns

Historical/Cultural/Paleontological

(possible concerns)
Proximity to known sites None identified
Mitigation
 avoidance (topographic tolerance, location exception)
 other agency review (SHPO, DSL, federal agencies)
 Other: _____
Comments: on private land

Social/Economic

(possible concerns)

- Substantial effect on tax base
 - Create demand for new governmental services
 - Population increase or relocation
- Comments: no concerns

Remarks or Special Concerns for this site

Well is a 2500' Greenhorn formation test

Summary: Evaluation of Impacts and Cumulative effects

I conclude that the approval of the subject Notice of Intent to Drill (does/**does not**) constitute a major action of state government significantly affecting the quality of the human environment, and (does/**does not**) require the preparation of an environmental impact statement.

Prepared by (BOGC): Steven Sasaki 
 (title:) Chief Field Inspector
 Date: September 21, 2004

Other Persons Contacted:

(Name and Agency)

(subject discussed)

(date)

If location was inspected before permit approval:
 Inspection date: _____
 Inspector: _____
 Others present during inspection: _____